

**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.: 5646-102

DATE: July 9, 2003

**UTILITY PATENT APPLICATION TRANSMITTAL LETTER  
AND FEE TRANSMITTAL FORM (37 CFR § 1.53(b))**

Mail Stop PATENT APPLICATION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 CFR § 1.53(b) is:

- ☒ a patent application  
☐ a Continuation ☐ a Divisional ☐ a Continuation-in-Part (CIP) Application of prior application no.: \_\_\_\_\_; filed \_\_\_\_\_, the disclosure of which is incorporated herein by reference in its entirety.  
☐ and claims the benefit of Provisional Application No. \_\_\_\_\_; filed \_\_\_\_\_.

Inventor(s) or Application Identifier:

**Yew-Keong Chong – Duluth, Georgia**

**David J. Klein – Duluth, Georgia**

**XinXin Shao – Duluth, Georgia**

**Prashant Shamarao – Alpharetta, Georgia**

**Brian K. Butka – Alpharetta, Georgia**

Entitled: **IMPEDANCE-MATCHED OUTPUT DRIVER CIRCUITS HAVING LINEAR CHARACTERISTICS AND ENHANCED COARSE AND FINE TUNING CONTROL**

**Correspondence Address:**



**20792**

PATENT TRADEMARK OFFICE

Enclosed are:

1. ☒ Application Transmittal Letter and Fee Transmittal Form (*A duplicate is enclosed for fee processing*)
2. ☒ **26** pages of Specification (including **27** claims)
3. ☒ **7** sheets of Formal Drawings (35 USC 113)
4. ☒ Oath or Declaration
  - a. ☒ newly executed (*original or copy*)
  - b. ☐ copy from prior application (37 CFR 1.63(d) (*for continuation/divisional*) [Note Box 6 Below]
  - c. ☐ DELETION OF INVENTOR(S) (*Signed statement deleting inventor(s) named in the prior application*)
5. ☐ Application Data Sheet. See 37 CFR 1.76
6. ☐ Incorporation By Reference (*useable if box 4b is checked*)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated

by reference therein.

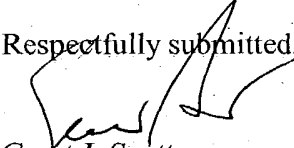
7. ☐ Microfiche Computer Program (*Appendix*)  
8. ☒ Assignment papers (*cover sheet(s) and document(s)*)  
9. ☐ Applicant claims small entity status. See 37 CFR § 1.27.  
10. ☒ Information Disclosure Statement, PTO-1449, and 18 references cited  
11. ☐ Preliminary Amendment (*Please enter all claim amendments prior to calculating the filing fee.*)  
12. ☐ English Translation Document  
13. ☐ Certified Copy of Application No. ; Filed  
14. ☐ Sequence Listing/ Sequence Listing Diskette  
    a. ☐ computer readable copy  
    b. ☐ paper copy  
    c. ☐ statement in support  
15. ☐ An Associate Power of Attorney  
16. ☒ Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)  
17. ☒ Other: **Nonpublication Request**

The fee has been calculated as shown below:

	Column 1 No. Filed	Column 2 No. Extra	Small Entity Rate      Fee	Large Entity Rate      Fee
BASIC FEE			\$375.00	\$ 750.00
TOTAL CLAIMS	27 - 20 =	7	x 09 = \$	x 18 = \$ 126.00
INDEP CLAIMS	9 - 3 =	6	x 42 = \$	x 84 = \$ 504.00
<input type="checkbox"/> MULTIPLE Dependent Claims Presented			+ 140 = \$	+ 280 = \$
<i>If the difference in Col. 1 is less than zero, Enter "0" in Col. 2</i>			Total \$	Total \$1,380.00

- ☐ A check in the amount of \$ to cover the filing fee is enclosed.  
☒ A check in the amount of \$1,420.00 is enclosed to cover the filing fee, PLUS the Assignment Recordation fee (\$40.00).  
☐ Please charge my Deposit Account No. 50-0220 in the amount of \$  
☒ The Commissioner is hereby authorized to credit overpayments or charge the following fees associated with this communication to Deposit Account No. 50-0220:  
    a. ☒ Additional filing fees under 37 CFR 1.16 for presentation of extra claims.  
    b. ☒ Additional patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

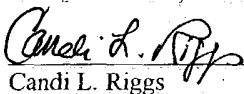
  
Grant J. Scott  
Registration No. 36,925

#### CERTIFICATE OF EXPRESS MAILING

Express Mail Label No. EV 353610015 US

Date of Deposit: July 9, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

  
Candi L. Riggs

**NONPUBLICATION REQUEST  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor

**Yew-Keong Chong**

Title

**IMPEDANCE-MATCHED OUTPUT DRIVER CIRCUITS  
HAVING LINEAR CHARACTERISTICS AND ENHANCED  
COARSE AND FINE TUNING CONTROL**

Attorney Docket Number

**5646-102**

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

**July 9, 2003**

Date

Signature

**919/854-1400**

Telephone number

**Grant J. Scott**

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

This collection of information is required by 37 CFR 1.213(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.